

Claim 48. Not Amended - The method of claim 43 further comprising optically recognizing the scanned data and converting the scanned data into character codes.

## **REMARKS /ARGUMENTS**

**Claims 32 - 34, 38, 39, 41, 42, 44-48 are not amended and remain in this Application.**

**Claims: 27-29, 35-37, 40, 43, 52-54, have been amended in accordance with the formal matters requested by the Examiner.**

The following responses are provided to the Examiners numbered paragraph comments:

### **Response to paragraph 1;**

It is acknowledged that claims 27-29, 32-48, and 52-54 are pending. It is also acknowledged that claims 27-29, 35, 36, 43, and 52-54 are independent.

### **Response to paragraph 2;**

Non-elected claims 1-26 have been cancelled as noted herein.

### **Response to paragraph 3;**

The following formal changes have been incorporated in accordance with the Examiners comments:

In claim 27, line 2, after “computer”, “;” should be --, --;

line 5, “by – passing”, has been changed to –“by-passing”; and

line 11, “send / receive” has been changed to – “send/receive”--;

In claim 28, line 1, “The” has been changed to, - A -;

part a) “on / off”, has been changed to, “on/off”

part b) “setting a specialized mode, including, “computer mode” or”, has been changed to -- “setting a specialized mode including a computer mode, and” --;

part c) has been added and reads, “ Initiation selected from a combination of a) and b).”--;

In claim 29, line 3, “machine, through”, has been changed to “ machine through”--; still line 3, “data, representative”, has been changed to, “data representative”--; line 5, computer, or”, has been changed to “computer or”

In claim 35, line 2, “ nonintercepted, data signals, representative”, has been changed to “ nonintercepted data signals representative” --;

line 3, “and connected”, has been changed to, “connected” --; line 4 “by – passing”, has been changed to, “by-passing” --;

In claim 36, line 6, “machine, and personal computer”, has been changed to “machine and personal computer” --;

line 8, “line:”, has been changed to, “line;” --; line 9, “mode,:” has been changed to “mode;” --; lines 9 – 10 “non intercept”, has been changed to, “nonintercepted” --; line 10, “mode, for”, has been changed to, “mode for” --; line13, “send / receive”, has been changed to “send/receive” --;

In claim 37, at the end of the claim a period. --. has been added.

In claim 40, line 1, “using,” has been changed to “ using” --;

line 1, “RS 232,parallel”, has been changed to, “ RS 232, parallel” --;

In claim 43, part a) line 2, “by – passing”, has been changed to “by-passing” --;

part d) is not a step so it is not proper to list the limitation as one of the steps; part d) has been removed and the text retained--; in d) send / receive, has been changed to, send/receive;

In claim 52, line 2, "line," , has been changed to, "line" --;

in line 2, "machine," , has been changed to, " machine" --;

in line 3, "line," , has been changed to " line"--;

in (b), line 1 "signal," , has been changed to, "signal" --;

in (c), line 1, " off / hook", has been changed to, " off-hook" --;

in (c), line 1, "mode," has been changed to "mode" --;

In claim 53, line 2, " machine," has been changed to, "machine"--;

in line 3, "device," has been changed to, "device"--;

in (c) line 1, "off / hook", has been changed to, "off /hook"--;

in (c) line 1, "mode," has been changed to, "mode" --;

in (c) lines 2-3, "non intercepted" has been changed to, "nonintercepted"--;

In claim 54, line 2, "facsimile machine," has been changed to, "facsimile machine" --;

line 3, "communicating," has been changed to, "communicating" -- ;

line 4, after "the steps of:" the parts of the steps have been prefaced with (a), (b),  
and (c), as noted herein.--;

in (a), line 6, "facsimile machine," has been changed to "facsimile machine" --;

in (a), line 8, "by – passing", has been changed to, "by-passing"--;

in (a), line 8, "telephone line:", has been changed to, "telephone line;" -- ;

in (b), line 9 "signals," has been changed to "signals;"--;

in (c), line 10, "personal computer," , has been changed to "personal computer" -- ;

in ( c), line 11, "machine, has been changed to, "machine;--;

line 12, "send / receive", has been changed to, "send/receive" --;

line 13, "facsimile machine," , has been changed to, "facsimile machine" --.

It is believed that all formal matters specified in paragraph 3 have been addressed and corrected as required. Applicant believes that all claims remaining in the application are now in condition for allowance.

Allowance of this application is respectfully requested, in view of the foregoing.

If, however, the Examiner is of the opinion that such favorable action cannot now be taken, it is requested that she telephone the undersigned Applicant in order that any outstanding issue may be resolved without the necessity of a further office action.

Respectfully submitted,



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## **VERSION WITH MARKINGS TO SHOW CHANGES MADE**

Claim 27. Amendment 4 - [ The use of facsimile machines and / or and facsimile modems internal to an office product to create ], A method of creating a scanning capability from a facsimile machine to a [ component] [ computer;] computer, with scanned image digital data signals transferred through a passive link without interception from the facsimile machine to the computer [ in a conventional way], comprising the steps of:

[ by - passing] by-passing or isolating the facsimile machine and the computer from the public network telephone line and;

coupling the facsimile machine to the computer;

conditioning the computer to receive digital facsimile signals representing data on a scanned document;

conditioning the facsimile machine to transmit digital signals representing data on a scanned document to the computer, [ and ] said computer being equipped with [ send / receive ] send/receive driver communications software enabling the reception of scanned image signals from the facsimile machine, said transmitted digital facsimile signals being received directly into the computer interface through the passive link, thereafter, said computer processing the received digital facsimile signals of the scanned document as needed. [ manipulation or modification of the original signal, said facsimile machine and computer devices being directly connected to each other, and isolated from a connection with a public network telephone line.]

Claim 28. Amendment 3 - [ The use of facsimile machines, ] [ and / or] [ and facsimile modems, ] [ The] A method of performing a scanning function to a pre-existing

facsimile modem, connected to a facsimile machine, said facsimile modem being internal or external to a computer [ and various office products ] in order to enable a scanning function, [ and being connected by telephone types of circuits] said facsimile machine and fax modem are [ being ] connected through a passive link when transferring scanned signal data [in a conventional way and], without [ interruption ] interception of said[,] [ or manipulation ] [ of the ], [original ] signals between the facsimile machine and the fax modem, said facsimile machine and fax modem being isolated from the public network telephone line, [connection for performing scanning being facilitated by the telephone circuits, isolated from the public network, ] and by which the establishment of the transmission state within these types of [circuits] connections include one of:

- a) External initiation including [a via] ringing, constant current, [ on / off ] on/off hook, or any typical telephone or digital signaling protocols;
- b) Internal initiation, [such as] including setting a manual receive mode, setting a specialized [ mode,] mode [for example] [ including,] including [ “PC mode” ] [“computer mode”] a computer mode, [ or] and by pressing a start button on the facsimile [ machine;] machine, [ or combination of a and b]
- c) Initiation selected from a [any] combination [thereof] of a) and b).

29. Amendment 4 - The method of claim 27 to create a scanning function through a passive link between a facsimile machine and a computer by [ direct ] transfer of non-intercepted [ non-interrupted ], [ non manipulated, and non modified ] signals from a facsimile machine [,] through a [ passive ] connection containing data [,] representative

of scanned images, [ from a standard ] said facsimile machine [,] bypassing or isolated from a public network telephone line, and connected to an appropriate receiving port of a computer [,] or other office product capable of receiving and processing said signals.

Claim 35. Amendment 3 - The method of claim 53 for creating a printing function from a computer to a facsimile machine by [ direct ] [ transfer of ] sending non-intercepted [ interrupted ][,] [ non manipulated, and non modified, ] data signals[,,] containing data ][,] representative of a document to be printed from a computer[,] [and] connected to an appropriate receiving port of a [ standard ] facsimile machine, said facsimile machine and computer [by - passing] by-passing or being [ and ] isolated from [ a ] one or more public network telephone [ line ] lines.

Claim 36. Amendment 4 - A method of making a facsimile machine operable as a scanner or printer for a personal computer, each of the facsimile machine and personal computer for communicating normally using [a] at least one public network telephone line, comprising the steps of:

configuring the facsimile machine to communicate with the personal computer using a digital connector port of the facsimile machine [,] and personal computer, with both the facsimile machine and personal computer [and] isolated from [the] said at least one public network telephone [line:] line; arranging the facsimile machine to be in a [simulated off hook condition] digital connection mode [,:] ; and shifting the personal computer to [an off hook condition] a connection mode [,] for sending or receiving [non intercepted] nonintercepted digital signals for scanning or printing between the computer and the facsimile machine, in a facsimile machine format, using [an RJ-11 ] a digital

connector port of the personal computer, said computer being equipped with [send / receive] send/receive driver communications software enabling the transfer of said scanning or printing signals between the computer and the facsimile machine.

Claim 37. Amendment 1 - The method of claim 28 [ claim 36 ] including using RJ 11 connector ports to interface between the facsimile machine and the personal computer.

Claim 40. Amendment 3 -The method of claim 36, using [ any combination of] [RJ 11][,] RS 232,[ or ] parallel or other suitable digital [ or analog ] port type connectors to interface between [ a] said facsimile machine [and a] [or said] and [ the ] said computer.

Claim 41. Amendment 2 - The [ method ] method [ use ] of claim 27 further comprising optically recognizing the scanned data and converting the scanned data into character codes.

Claim 43. Amendment 2 - A method of using a facsimile machine as a scanner or printer for a personal computer, each of the facsimile machine and personal computer for communicating using telephone types of circuits, said facsimile machine and computer being isolated from the public telephone network, comprising the steps of:

- (a) Configuring the facsimile machine to communicate with the personal computer using the facsimile machine, and [isolated from] [by - passing] by-passing or isolating the facsimile machine and computer from the [active] public telephone network,
- (b) arranging the facsimile machine to be in a simulated off-hook condition, or connection mode; and

(c) shifting the personal computer to an off-hook condition, or connection mode for sending or receiving nonintercepted [non - intercepted][interrupted] signals in facsimile formats through a passive link between the personal computer and the facsimile machine[,] ;

[ d ] said computer being equipped with [send - receive] send/receive driver communications software enabling the transfer of said scanning or printing signals between the computer and the facsimile machine.

Claim 52. Amendment 2 - A method of using a facsimile machine with a computer, one or both of which being connected to a telephone line[,] such that said facsimile machine [,] [can operate] operates as a scanning device [,] when isolated from the telephone [network] line [,] comprising the steps of:

- (a) coupling the facsimile machine to the computer through a passive link;
- (b) generating a facsimile machine signal [,] whereby the computer is conditioned to receive signals representing data on a scanned document [,] ;
- (c) generating a signal to simulate an [ off - hook] off-hook condition [,] or connection mode [,] providing a direct path [,] whereby the facsimile machine is conditioned to transmit [,] [and/or non modified] signals without interception through the passive link [interruption] to the computer, representing data on a scanned document.

Claim 53. Amendment 2 - A method of using a facsimile machine with a computer, one or both of which being connected to a telephone line[,] such that said facsimile machine [,] [can operate] operates as a printing device [,] when isolated from the telephone [network] line, comprising the steps of:

- (a) coupling the facsimile machine to the computer through a passive link;

(b) generating a signal representative of a [standard] facsimile machine [call] communications signal, whereby the computer is conditioned to [Transmit] transmit signals representing data on a document to be printed[.] ; and

(c) generating a signal to simulate an [off - hook] off-hook condition or connection mode [,] providing a direct path[,] whereby the facsimile machine is conditioned to receive [non intercepted] nonintercepted [non interrupted, non manipulated and / or non modified ] signals through the passive link representing data from the computer of a document to be printed.

Claim 54. – Amendment 3 - A method of making a facsimile machine operable as a scanner or printer for a computer, each of the facsimile machine [,] and computer for communicating [,] normally using at least one public network telephone line, comprising the steps of:

- (a) configuring the facsimile machine[,] to communicate with the personal computer through a passive link using a digital connector port on the facsimile machine [,] and a digital connector port on the computer, with both the facsimile machine and computer [by - passing] by-passing or isolated from said at least one public network telephone line[:];[and]
- (b) arranging the facsimile machine to send or receive digital [ serial] data signals[,] ; and [ means for]
- (c) coupling the digital data signals through the passive link to the personal computer [,] and the facsimile machine[,];

said computer equipped with [send / receive] send/receive driver communications software enabling the reception of scanned image signals from the facsimile machine[,] or the sending of computer data to the facsimile machine for printing.



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